

- 1 -
piece 1, NC_000913, copA_ybaS-, config: linear, direction: -, begin: 510894, end: 510584

5' *510890 * *510880 * *510870 * *510860 * *510850 * *510840 * *510830 * *510820 *
- t g c c t g c t g t a a t t g t t g c a t c t a a c a t c t t g t t a a c t c c t t t t a t a g a t g c g g g a g g t a a t t c a c c c c g g t g 3'
- cys - leu - leu - **U** fMet - leu - thr - pro - phe - tyr - arg - cys - gly - arg - fMet -
- ala - cys - cys - asn - leu - phe - ala - ser - asn - ile - phe - cys - pro - ala - val - ile - cys - leu - his - leu - thr - ser - phe - val - asn - ser - phe - leu - fMet - arg - glu - val - ile - pro - his - pro - gly - ala -
...] NC_000913.ybaS

p35 4.8 bits p10 2.6 bits
p35-(23)-p10 510857 Gap 1.4 bits
p35-p10 510857 total 6.0 bits

5' *510810 * *510800 * *510790 * *510780 * *510770 * *510760 * *510750 * *510740 *
- c c g a t t t t c a g g c a t c c t g a t t a a c t t a g c a c c c g c a a c t t a a c t a c a g g a a a a a c a a a g a t a a a t g t c t a a t c t g a t 3'
- pro - ile - phe - arg - his - pro - asp - leu - thr - **U** fMet - ser - asn - pro - asp - fMet -
- asp - phe - gln - ala - ser - **U** sd - **U** ir copA_ybaS -
sd-(16)-ir 510747 Gap 6.4 bits
sd-ir 510747 copA_ybaS- total 10.8 bits

... p35
... p35-(21)-p10 510712 Gap 4.9
... p35-p10 510712 total 4.9

5' *510730 * *510720 * *510710 * *510700 * *510690 * *510680 * *510670 * *510660 *
- g c a a a t c g a g c c g a t t t t a a t c t t t a c g g a c t t t a c c c g c t t g g t t t a a t t t c t t g a c c t t c c c t t g c t g g a a g 3'
- ala - asn - arg - ala - asp - phe - leu - ile - phe - thr - asp - phe - tyr - pro - pro - gly - leu - leu - ile - ser - fMet - thr - phe - pro - leu - leu - glu - gly -
- gln - ile - glu - pro - ile - phe - p10 5.2 bits p10 2.6 bits [### orf 26 codons
p35 4.6 bits p35 5.0 bits
p35-(23)-p10 510684 Gap 1.4 bits
p35-p10 510684 total 5.8 bits

... p35 3.0 bits ... p35-(25)-p10 510647 Gap 5.4 bits
... p35-p10 510647 total 5.4 bits

5' *510650 * *510640 * *510630 * *510620 * *510610 * *510600 * *510590 *
- g t t t a a c t t t a c a c a g c a g t c a a a a c t g t c t t a a a g g a g t g t t t a t g t c a c a a a c t a t c g a c c t 3'
- leu - thr - phe - ile - thr - ala - ser - gln - asn - cys - leu - lvs - gly - val - phe - tyr - val - thr - asn - tyr - arg - pro - fMet - ser - gln - thr - ile - asp - fMet -
p10 4.5 bits sd - **U** ir copA_ybaS -
p35 4.1 bits p10 2.7 bits sd-(9)-ir 510603 Gap 2.3 bits
sd-ir 510603 copA_ybaS- total 14.5 bits

... p35-(25)-p10 510647 Gap 4.0 bits
... p35-p10 510647 total 5.4 bits

... p35-(23)-p10 510626 Gap 1.4 bits
... p35-p10 510626 total 5.4 bits